



#3

SEQUENCE LISTING

<110> Jack, William E.
Schildkraut, Ira
Menin, Julie F.
Greenough, Lucia

<120> Use of Site-Specific Nicking Endonucleases to Create
Single-Stranded Regions And Applications Thereof

<130> NEB-180

<140> 09/738,444

<141> 2000-12-15

<160> 51

<170> PatentIn Ver. 2.0

<210> 1

<211> 40

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 1

aaatcaatct aaagtatata ccggtaaact tggctctgaca

40

<210> 2

<211> 38

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 2

ctagcattag tcagactcta cattcaaata tgtatccg

38

<210> 3

<211> 38

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 3

gcgctcgatg tcagactcga gcaaaaggcc agcaaaag

38

<210> 4

<211> 56

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 4

gagtccgatt gacctaagcg gatactctga cgactcgtag aaaagatcaa aggatc

56

<210> 5

<211> 51

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 5

gagtctcaga ctatctggag cgactgactc aaacttggtc tgacagttac c

51

<210> 6

<211> 40

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 6

gtaaatatcg gactctacaa tcaaatatgt atccgctcat

40

<210> 7

<211> 82

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 7

gatcgagtct gacatcgagc gcttagcatt agtcagactc gatatcgagt ctcagcctgt 60
tagcgatggt acatgacgac tc 82

<210> 8

<211> 82

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 8

ctaggagtcg tcatgtacca tcgctaacag gctgagactc gatatcgagt ctgactaatg 60
ctaggcgctc gatgtcagac tc 82

<210> 9

<211> 22

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 9

catgtctaga ctgcagagat ct 22

<210> 10

<211> 18

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 10

agatctctgc agtctaga 18

<210> 11

<211> 21

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 11

tacattcaaa tatgtatccg c

21

<210> 12

<211> 21

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 12

taaacttggt ctgacagtta c

21

<210> 13

<211> 54

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 13

gagtatccgc ttaggtcaat cggactcgga ccggatatca catgtgagtc gtca

54

<210> 14

<211> 54

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 14

cctgttagcg atggtacatg acgactcaca tgtgatatcc ggtccgagtc cgat

54

<210> 15

<211> 10

<212> DNA

<213> N.BstNBI Recognition Sequence

<220>

<223> N indicates any base (subject to the normal rules
of base pairing between the strands).

<400> 15

gagtcnnnnn

10

<210> 16

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 16

gcgtctaaac ccagatgt

18

<210> 17

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 17

gcgttcaaac ccagatgt

18

<210> 18

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 18

agctgttcta agccgcaa

18

<210> 19

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 19

tgtgaacacc tcgtaacg

18

<210> 20

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 20

ttcccaagca catgggat

18

<210> 21

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 21

tctccaagca cagtgagt

18

<210> 22

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 22

tgactcaagc gagtactc

18

<210> 23

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 23

tgactcaagc ggatactc

18

<210> 24

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 24

tgacctaagc ggatactc

18

<210> 25

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 25

actgagcgcc atgcatta

18

<210> 26

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 26

actgagcgcc agtcatta

18

<210> 27

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 27

atcgagcgcc atgcatta

18

<210> 28

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 28

atcgagcgcc tagcatta

18

<210> 29

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 29

tgtaccatcg ctaacagg

18

<210> 30

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequence - implemented via the synthetic
oligonucleotide, but never existed as independent
entity

<400> 30

gagtctgaca tcgagcgcct agcattagtc agactc

36

<210> 31

<211> 36
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequence - implemented via the synthetic
oligonucleotide, but never existed as independent
entity.

<400> 31
gagtccgatt gacctaagcg gatactctga cgactc

36

<210> 32
<211> 36
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Theoretical
sequence - implemented via the synthetic
oligonucleotide, but never existed as independent
entity

<400> 32
gagtctcagc ctgttagcga tggtagatga cgactc

36

<210> 33
<211> 50
<212> DNA
<213> synthetic oligonucleotide

<220>

<223> N/A

<400> 33
gagtcagctc aatgttgcca gtcaggactc gtagaaaaga tcaaaggatc

50

<210> 34
<211> 35
<212> DNA
<213> synthetic oligonucleotide

<220>

<223> N/A

<400> 34
gggccacgta gactcgagca aaaggccagc aaaag

35

<210> 35
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 35
gtagttacgc ca

12

<210> 36
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 36
caatgttgcc ag

12

<210> 37
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 37
tctcaatgag gc

12

<210> 38
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 38
agcgagcctt ta

12

<210> 39
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 39
tgatcgagac ct

12

<210> 40
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 40
tctgcggata ac

12

<210> 41
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 41
tatgcagcgc at

12

<210> 42
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 42
gatcgaacgt tc

12

<210> 43
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 43
aaatttgggc cc 12

<210> 44
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 44
actatctgga gc 12

<210> 45
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 45
aggcgacatt tc 12

<210> 46
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 46
atttacgggc ca 12

<210> 47
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Theoretical
sequence - implemented via the synthetic
oligonucleotide, but never existed as independent
entity.

<400> 47
gagtcagctc aatgttgcca gtcaggactc

30

<210> 48
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - implemented via the synthetic
oligonucleotide, but never existed as independent
entity.

<400> 48
gagtccgata tttaggggcc acgtagactc

30

<210> 49
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Theoretical
sequence - implemented via the synthetic
oligonucleotide, but never existed as independent
entity.

<400> 49
gagtctcaga ctatctggag cgactgactc

30

<210> 50
<211> 48
<212> DNA
<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
Oligonucleotide

<400> 50

ctggcaacat tgatcggact cggaccggat atcacatgtg agtcgtca

48

<210> 51

<211> 48

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Synthetic
Oligonucleotide

<400> 51

gctccagata gttgacgact cacatgtgat atccggtccg agtccgat

48